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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/544,992	04/06/2000	Brian Mitchell Bass	RAL9-1999-0140-US1	9200
7:	590 05/30/2002			
Josceyln G. Cockburn IBM CORPORATION 972/B656 P O Box 12195			EXAMINER	
			LY, ANH	
Research Trian	gle Park, NC 27709		ART UNIT PAPER NUMBER	
			2172	

DATE MAILED: 05/30/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Amplicant(a)	P
3		Application No.	Applicant(s)	
Office Action Summany		09/544,992	BASS ET AL.	
	Office Action Summary	Examiner	Art Unit	
	The MAN INC DATE of this communication on	Anh Ly	2172	
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover sheet	with the correspondence address	š
THE I - External form of the control	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a replayeriod for reply is specified above, the maximum statutory period reto reply within the set or extended period for reply will, by statutively received by the Office later than three months after the mailing patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may oly within the statutory minimum of t will apply and will expire SIX (6) M e, cause the application to become	a reply be timely filed thirty (30) days will be considered timely. ONTHS from the mailing date of this communi ABANDONED (35 U.S.C. § 133).	ication.
1)⊠	Responsive to communication(s) filed on 06	<u> April 2000</u> .		
2a) <u></u> ☐	This action is FINAL . 2b) ☐ T	his action is non-final.		
3) 🗌	Since this application is in condition for allow closed in accordance with the practice under ion of Claims			rits is
<u> </u>	Claim(s) <u>1-46</u> is/are pending in the application	n		
•	4a) Of the above claim(s) is/are withdra			
	Claim(s) is/are allowed.	am nom concideration.		
6)□	Claim(s) is/are rejected.			
7)	Claim(s) is/are objected to.			
8)🖂	Claim(s) 1-46 are subject to restriction and/or	election requirement.		
Applicati	ion Papers			
9)□	The specification is objected to by the Examin	er.		
10) 🗌	The drawing(s) filed on is/are: a)□ acce	•	•	
4 A) 🗔 .	Applicant may not request that any objection to the		•	
11)[]	The proposed drawing correction filed on		disapproved by the Examiner.	
12)[7]	If approved, corrected drawings are required in re The oath or declaration is objected to by the E	• •		
	inder 35 U.S.C. §§ 119 and 120	xanimer.		
		un priority under 25 H.C.C	C 440(a) (d) a= (6)	
_	Acknowledgment is made of a claim for foreig ☐ All b) ☐ Some * c) ☐ None of:	in priority under 35 0.5.0	2. 9 119(a)-(u) of (i).	
a)ı	1.☐ Certified copies of the priority documen	its have been received		
	2. Certified copies of the priority document		Application No.	
	3. Copies of the certified copies of the prior			0
* 5	application from the International Be See the attached detailed Office action for a lis	ureau (PCT Rule 17.2(a)).	C
14)[] A	acknowledgment is made of a claim for domes	tic priority under 35 U.S.	C. § 119(e) (to a provisional appl	lication).
) \square The translation of the foreign language pr Acknowledgment is made of a claim for domes			
Attachmen	t(s)			
2) 🔲 Notic	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice	ow Summary (PTO-413) Paper No(s) of Informal Patent Application (PTO-152)	

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Art Unit: 2172

DETAILED ACTION

Election/Restrictions

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-1/4 and 35-46, drawn to a longest prefix matching and searching input key on the search tree, classified in class 707, subclass 6.
 - II. Claims 25-34, drawn to processors such as protocol processors, control point processor for the processing, classified in class 711, subclass 100.
- 2. The inventions are distinct, each from the other because of the following reasons:

 Inventions in Group I and Group II are related as sub-combinations

 discloses as usable together in a single combination. The subcombinations are distinct from each other if they are shown to be
 separately usable. In the instant case, the invention in Group I has
 separate utility from invention Group II. Group I related to pattern
 matching and searching key on the search tree and Group II related to
 processors, memory devices or storage devices. (see MPEP 806.05(d)).
- 3. Because the inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

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4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventor-ship must be amended in compliance with 37 CFR 1.48(b) if one or more of currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amended of inventor-ship must be accompanied by a diligently filed petition under CFR 1.48(b) and by the fee required under 37 CFR 1.17(h).

Contact Information

5. Any inquiry concerning this communication should be directed to Anh Ly whose telephone number is (703) 306-4527. The examiner can be reached on Monday - Friday from 8:00 AM to 4:00 PM.

If attempts to reach the examiner are unsuccessful, see the examiner's supervisor, Kim Vu, can be reached on (703) 305-4393.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 746-7238 (for After Final communications intended for entry)

or:

(703) 746-7239 (for Official communications intended for entry)

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or:

(703) 746-7240 (for informal or draft or Customer Service center communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (receptionist).

Inquiries of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-9600.

AL

May 30th, 2002.

SHAHID AL ALAM PATENT EXAMINER